

CLAIMS

What is claimed is:

1. A method for presenting information to a mobile station that is transmitted during a common idle frame that contains a set of time slots, comprising arranging individual transmissions such that the mobile station is enabled to receive all pertinent information from a subset of timeslots of the idle frame, without regard for which traffic time slot the mobile station is assigned to.
2. A method as in claim 1, wherein the individual transmissions originate from individual ones of a plurality of base stations, and where the base stations are operated so as to alternate the transmission of bursts within the idle frame.
3. A method as in claim 2, wherein depending on a number of different bursts to be sent, a particular burst transmitted from one base station is never transmitted in the same time slot during two consecutive idle frames.
4. A method as in claim 2, wherein the bursts are SCH bursts transmitted from base stations in a synchronous GSM telecommunications system.
5. A synchronous GSM telecommunications system, comprising a plurality of base stations transmitting synchronization channel (SCH) bursts to mobile stations during idle frames, said SCH bursts being transmitted by individual ones of the base stations such that a particular burst transmitted from one base station is never transmitted in a same time slot during two consecutive idle frames.

6. A synchronous GSM telecommunications system, comprising a set of  $n$  number of base stations transmitting synchronization channel (SCH) bursts to mobile stations during idle frames, said SCH bursts being transmitted by individual ones of a first subset  $n/2$  of the base stations in sequence during a first time slot over  $n/2$  sequential idle frames, said SCH bursts being further transmitted by individual ones of a second subset  $n/2$  of the base stations in sequence during a second time slot over the  $n/2$  sequential idle frames, such that a particular burst transmitted from one base station is never transmitted in a same time slot during two consecutive idle frames.

7. A synchronous GSM telecommunications system, comprising a set of  $n$  number of base stations transmitting synchronization channel (SCH) bursts to mobile stations during idle frames, said SCH bursts being transmitted by individual ones of a first subset  $n/2$  of the base stations in a first sequence during a first time slot over  $n/2$  sequential idle frames and also in a second, different sequence during a second time slot over the  $n/2$  sequential idle frames, said SCH bursts being further transmitted by individual ones of a second subset  $n/2$  of the base stations in a first sequence during a third time slot over the  $n/2$  sequential idle frames and also in a second, different sequence during a fourth time slot over the  $n/2$  sequential idle frames, wherein a particular burst transmitted from one base station is never transmitted in a same time slot during two consecutive idle frames.